



Stormwater Drainage Report for projects meeting Targeted and Full Project Drainage Review Requirements

The drainage report should be prepared in the format listed below. Additional information may be required depending on project specifics.

Cover Page:

- project name, address, and parcel number(s)
- name of developer or owner
- name, address, and phone number of engineer of record
- engineer's stamp
- date of report

A. Project Overview

- King County Reference 8A: TIR Worksheet.
- General description of project vicinity
- Describe existing hydrology
- Description of proposed project
- Description of nearby receiving waters
- Site vicinity map showing location of site, nearby roads, receiving waters, and significant geographical features

B. Minimum Requirements:

- Determine project size: targeted or full
- Determine which minimum requirements apply, and state how each applicable requirement is met

C. Offsite Analysis:

- Describe study area
- Upstream analysis
- Downstream analysis
- Summarize existing problems downstream, and how project will avoid exacerbating or correct existing downstream problems. If downstream problems can be solved through offsite improvements, those offsite improvements must be sized for full build-out conditions under current zoning

D. Flow Control Design:

- Evaluate the feasibility and applicability of full dispersion, infiltration, and state the low impact development (LID) BMP that will be used on this project (1 minimum). Use Stormwater LID Feasibility Evaluation Worksheet (Pre-Approved Plan Policy L-1).
- Existing hydrology
- Proposed hydrology
- Soil types
- Summarize existing and proposed land use/condition

- Describe modeling inputs
 - Model results
 - Describe design criteria for flow control facilities
 - Summarize dimensions of flow control facilities: volume, length, width, depth, orifice sizes, bottom elevation, overflow elevation, etc.
 - Amended soil (Ecology BMP T5.13) is required for all landscaped areas on project sites 1 acre or larger.
- E. Conveyance Design:
- Pipe sizing
 - Area draining to each structure
 - HGL calculations for all conveyance
- F. Construction Stormwater Pollution Prevention Plan (CSWPPP)
- ESC Plan and report
 - Stormwater Pollution Prevention and Spill Plan (SWPPS) – applicable for project sites 1 acre or larger
- G. Water Quality Design:
- Summarize new proposed PGIS and PGPS
 - Summarize treatment level required (basic, enhanced, oil control)
 - Describe contaminants of concern
 - Describe proposed source control measures if applicable
 - Model results
 - Describe design criteria for water quality facilities
 - Summarize dimensions of water quality facilities: volume, length, width, depth, orifice sizes, bottom elevation, overflow elevation, vegetation type, etc.
- H. Operations & Maintenance manual.
- Projects with privately maintained drainage facilities shall submit a O&M manual that must be kept on-site, and transferred with the property to the new owner. Include the responsible party for maintenance, a long-term maintenance schedule, and blank maintenance activity log sheets (to be filled in by owner).
 - For certain technology, COK may require additional assurances that maintenance can and will be done (for example, COK requires a long term maintenance contract if filter cartridges are used).